Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/14/2018 10:01 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126122	0	1.30	126047	1.27
Blue	F	SSC	125000	122943	-2	2.60	123447	2.40
Blue	E	FITC	23615	22720	-4	2.45	1008	10.24
Blue	D	PE	26739	26442	-2	2.01	950	9.81
Blue	B	PerCP-Cy5-5	48339	47835	-2	3.30	1382	17.24
Blue	A	PE-Cy7	45021	44985	-1	5.12	695	37.71
Red	C	APC	53064	52555	-1	2.70	3030	9.44
Red	A	APC-Cy7	57175	56027	-3	2.67	1158	11.16
Violet	B	V450	14728	13926	-6	5.27	667	9.49
Violet	A	V500	58621	56349	-4	5.22	2487	7.24

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20045	2.36	612	-2	N/A	N/A	Pass
Blue	F	SSC	61127	1.47	555	9	N/A	N/A	Pass
Blue	E	FITC	115	39.65	548	0	0.0213	225	Pass
Blue	D	PE	208	29.46	539	3	0.1638	267	Pass
Blue	B	PerCP-Cy5-5	215	46.96	639	4	0.0097	134	Pass
Blue	A	PE-Cy7	73	126.69	697	4	0.0104	12	Pass
Red	C	APC	347	27.77	598	1	0.0202	55	Pass
Red	A	APC-Cy7	126	40.81	581	1	0.0056	1704	Pass
Violet	B	V450	81	43.10	465	-5	0.0521	2377	Pass
Violet	A	V500	183	23.05	492	-5	0.0158	663	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.73	-31.42	0.95
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.34
Red	18.57	14.40 - 21.60	N/A	N/A	31.29	31.54	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 14290

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments